

rGDNF	S P D K Q A A A L P R R E R N R Q A A A A S P E N S R G K G R R G Q R G K N R G	40
mNRTN	- P G A R P	5
mARTN	- A G T R S S R A R T T D A R G	15
mPSPN	- A L A G S	5

	$\beta\beta\beta\beta\beta\beta\beta\beta\beta\beta\beta\beta\beta\beta$		$\beta\beta\beta\beta\beta\beta\beta\beta\beta$		$\alpha\alpha\alpha$	
rGDNF	C V L T A I H L N V T D	L G L G Y E T K E E L I	F R Y C S G S	C E A A E - T M Y	79	
mNRTN	C G L R E L E V R V S E	L G L G Y T S D E T V L	F R Y C A G A	C E A A I R I - Y	44	
mARTN	C R L R S Q L V P V S A	L G L G H S S D E L I R	F R F C S G S	C R R - A R S Q H	54	
mPSPN	C R L W S L T L P V A E	L G L G Y A S E E K V I	F R Y C A G S	C P O E A R T Q H	45	

F1a

F1b

Ha

	$\alpha\alpha\alpha\alpha\alpha\alpha\alpha\alpha\alpha\alpha\alpha\alpha$		$\beta\beta\beta\beta\beta\beta\beta$		$\beta\beta\beta\beta$	
rGDNF	D K I L K N L S R S R R L - - - - T S D K V G Q A	C C R P V A F D D D	L S F L D	115		
mNRTN	D L G L R R L R Q R R R V R R - - - E R A R A H P	C C R P T A Y E D E	V S F L D	81		
mARTN	D L S L A S L L G A G A L R S P P G S R P I S Q P	C C R P T R Y E A -	V S F M D	93		
mPSPN	S L V L A R L R - - - - - - - - G R G R A H G R P	C C Q P T S Y A D -	V T F L D	76		

Hb

Hc

Hd

F2a

F2b

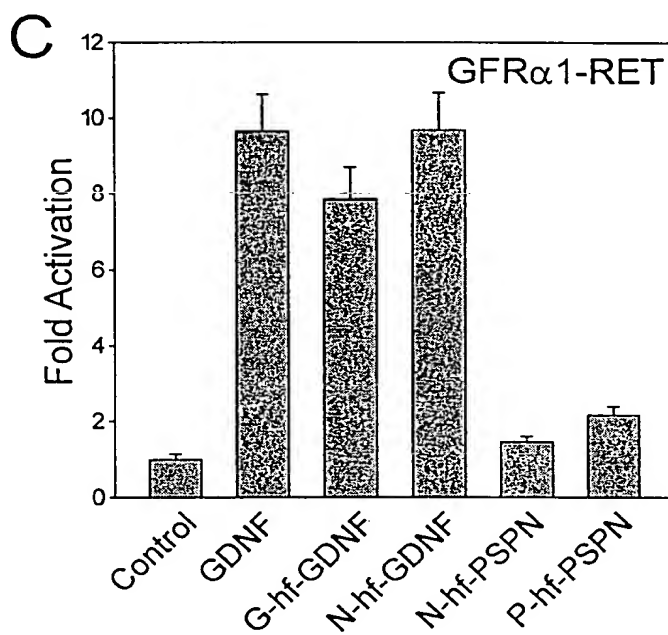
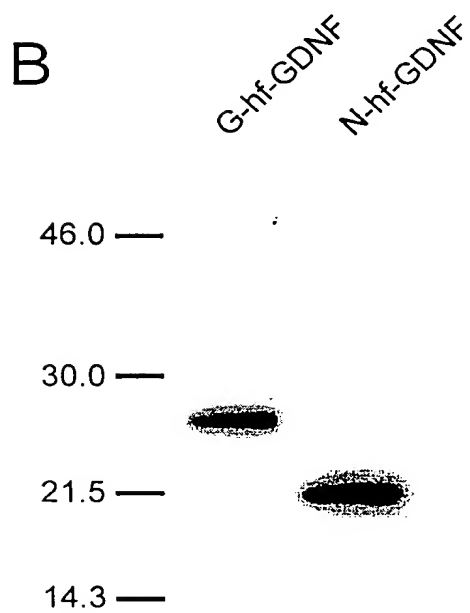
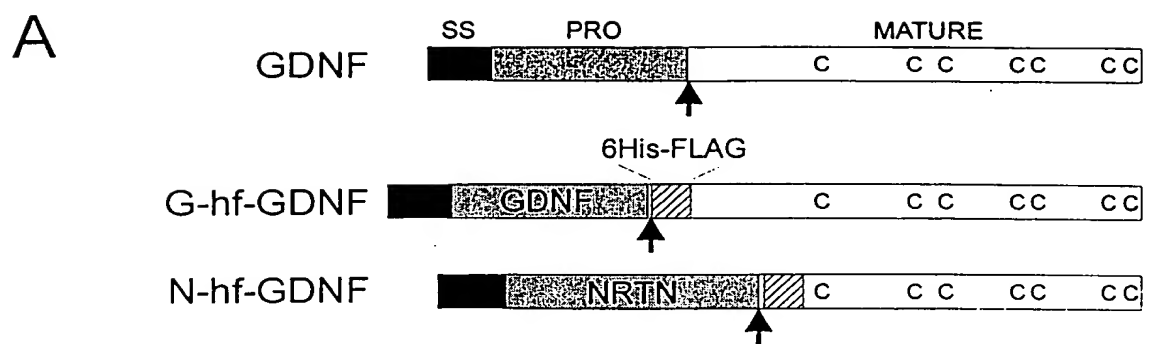
	$\beta\beta\beta\beta$		$\beta\beta\beta\beta\beta$	
rGDNF	D S L V Y H I L R K H S A K R C G C I	134		
mNRTN	V H S R Y H T L Q E L S A R E C A C V	100		
mARTN	V N S T W R T V D H L S A T A C G C L G	113		
mPSPN	D Q H H W Q Q L P Q L S A A A C G C G G	96		

F2c

F2d

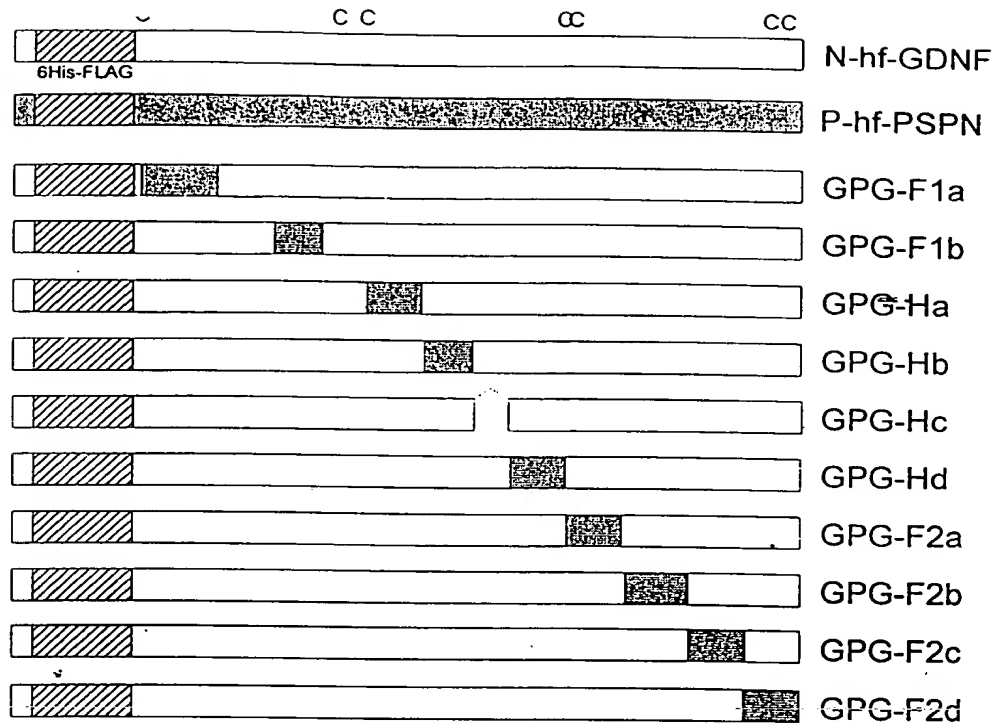
FIGURE 1

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**FIGURE 2**

A



B

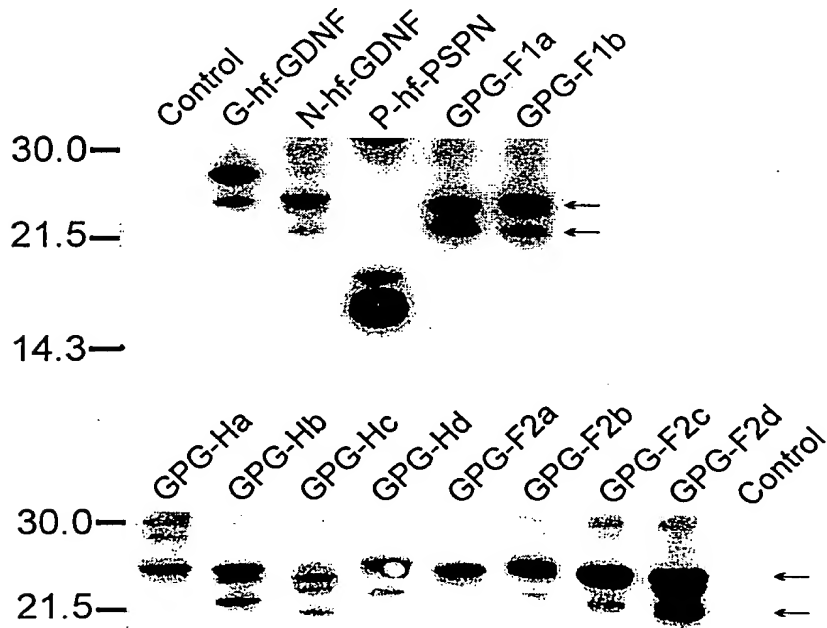
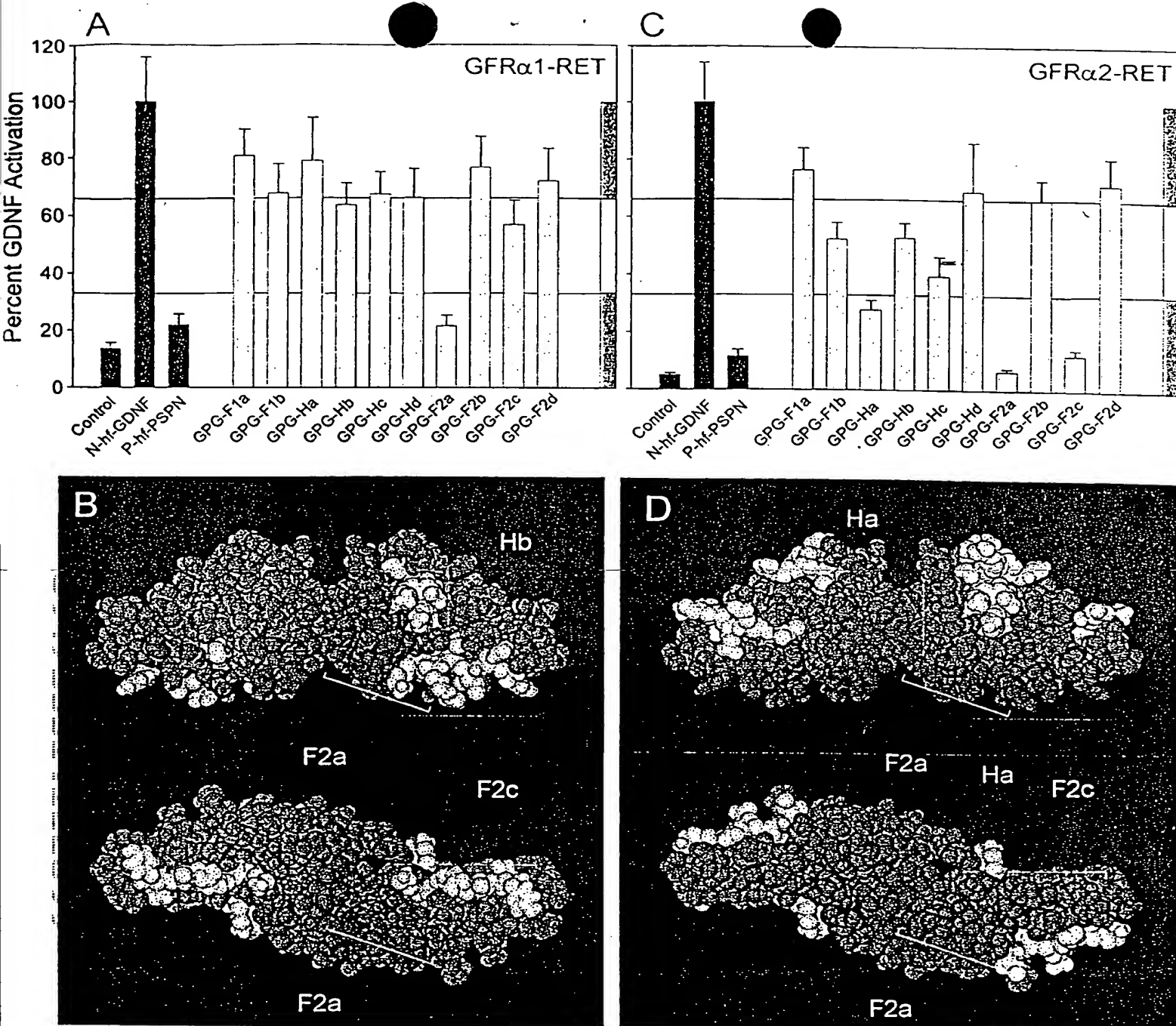
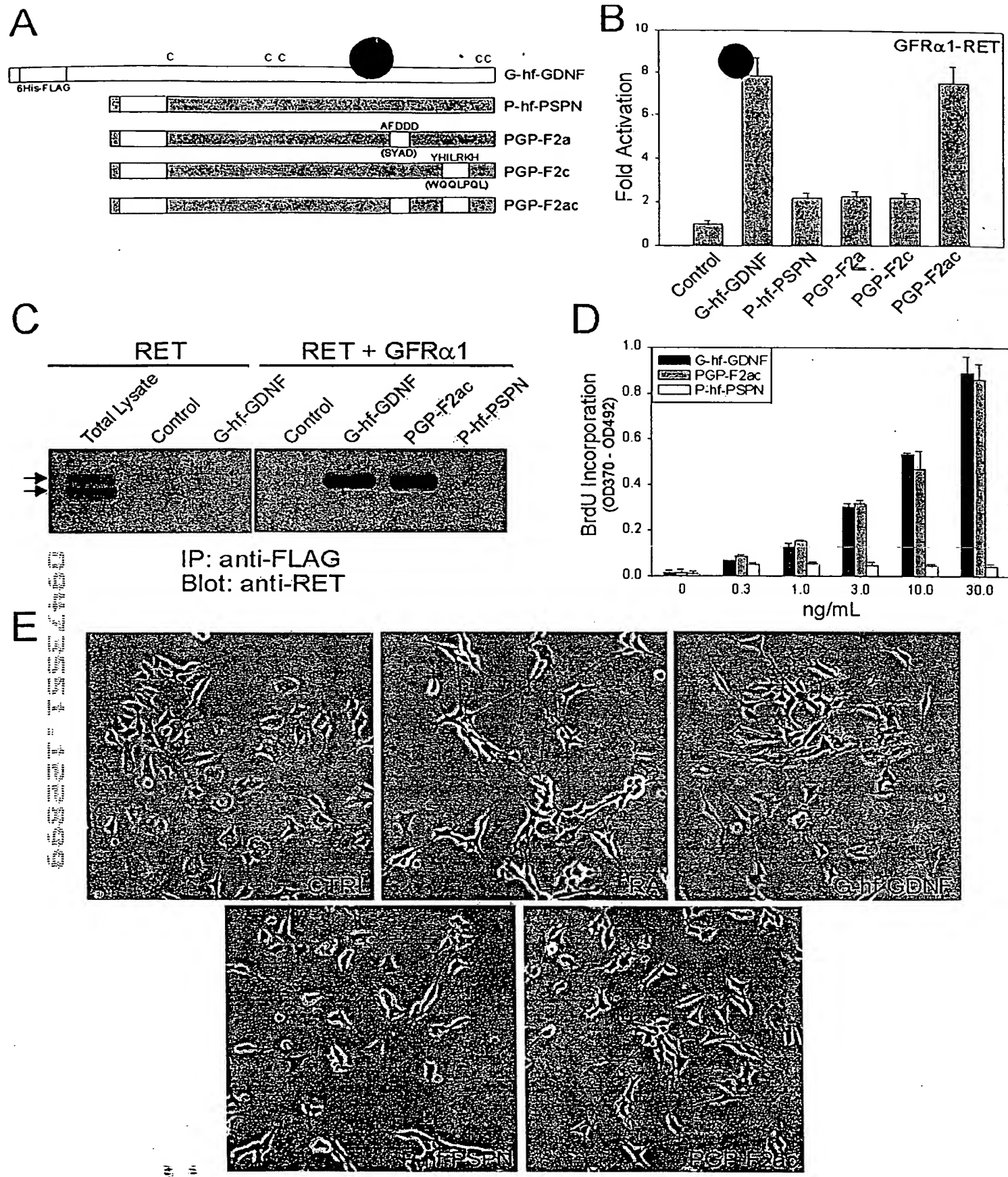


FIGURE 3

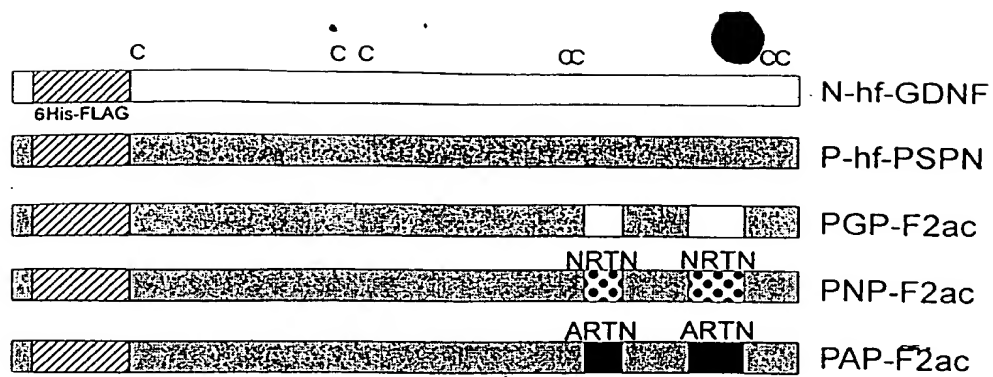


**FIGURE 4**



**FIGURE 5**

A



B

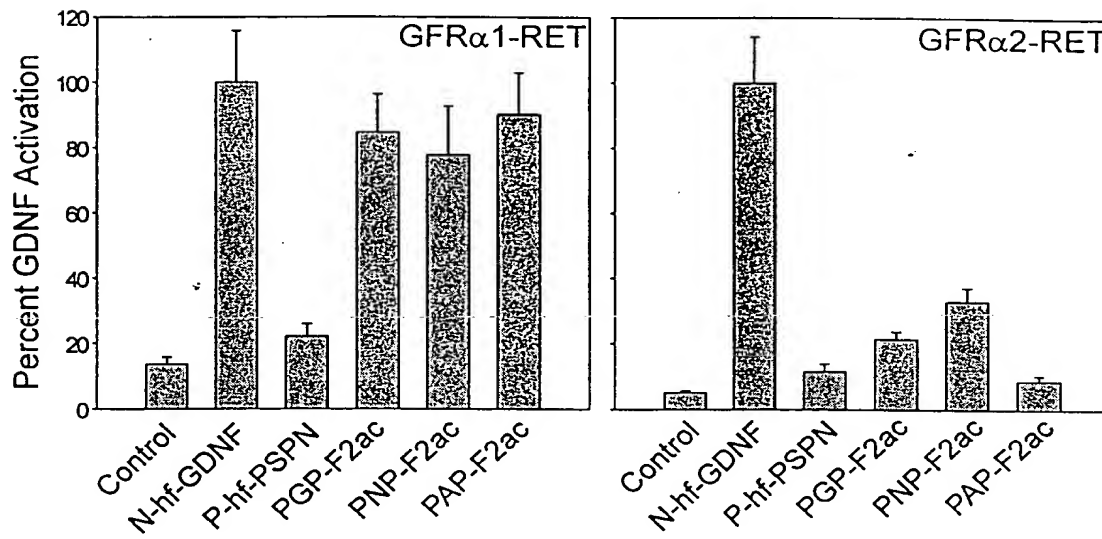
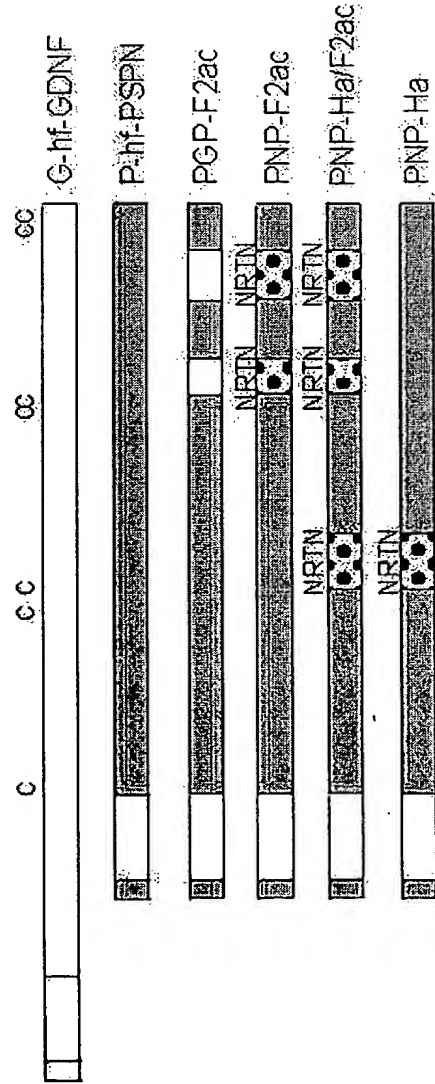


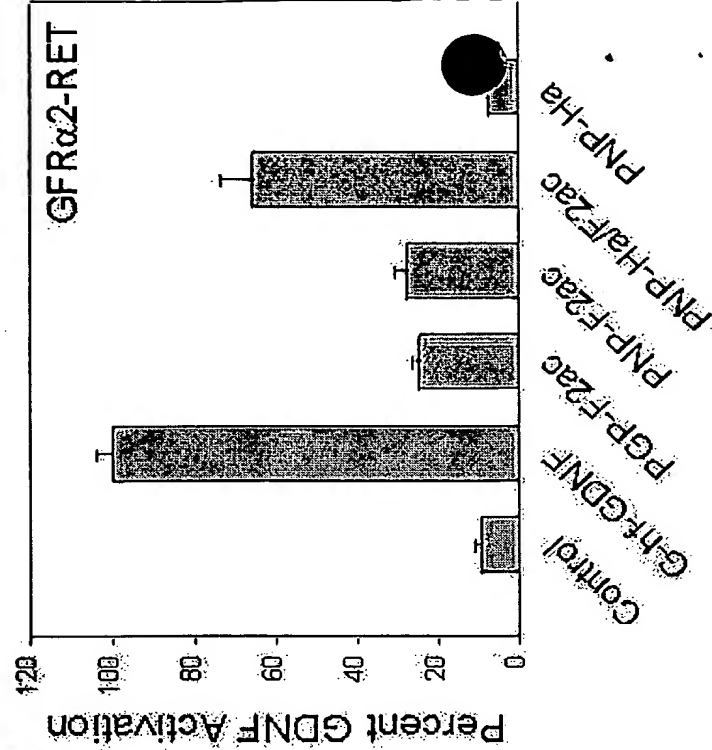
FIGURE 6

A

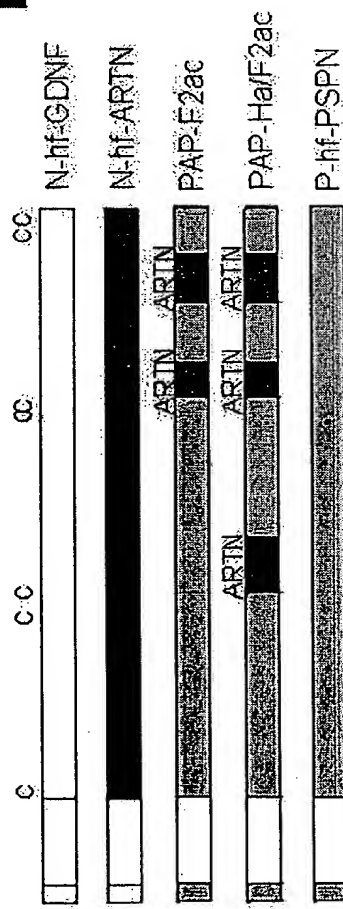
SECRET - Transmembrane



B



C



D

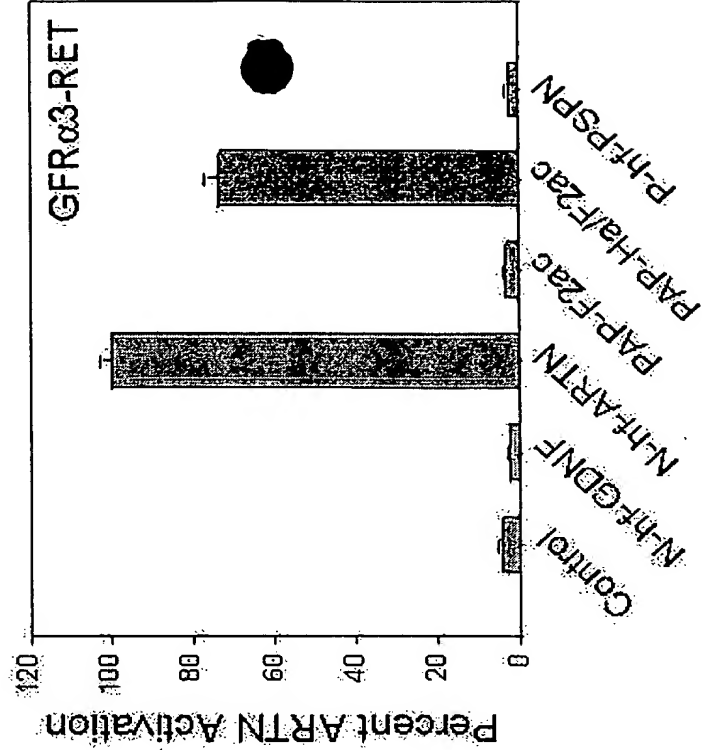
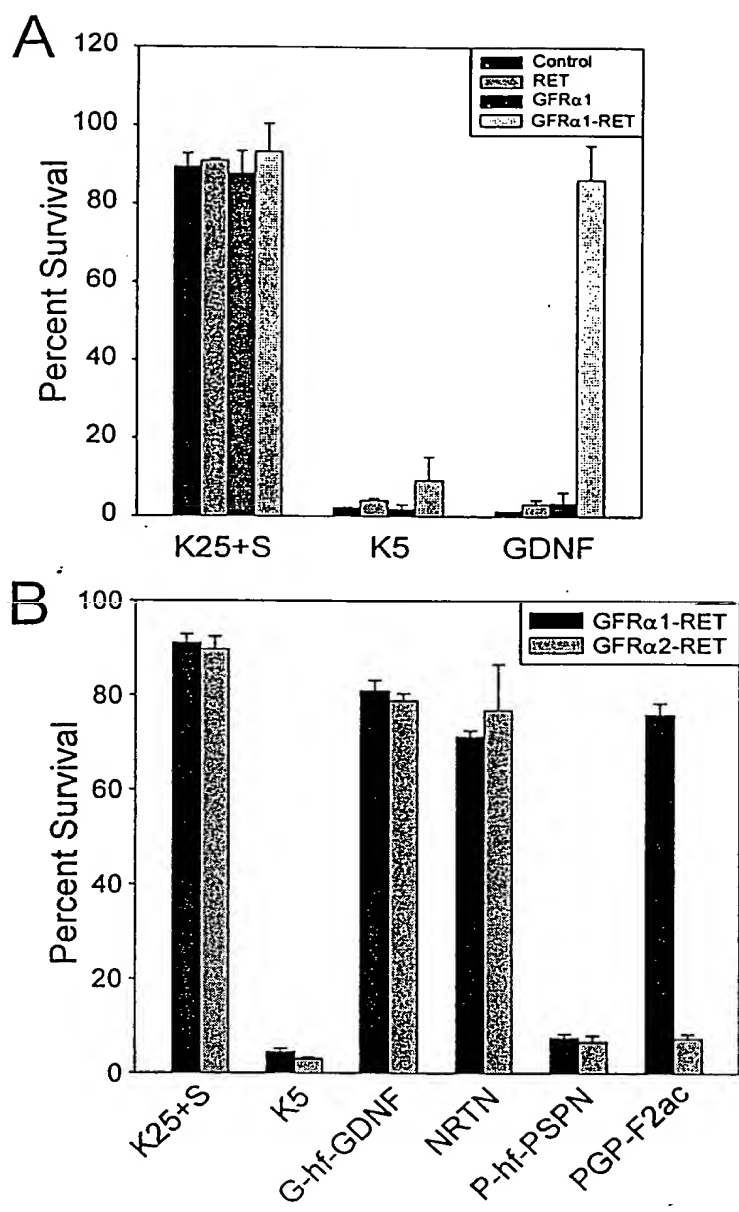


FIGURE 7



**FIGURE 8**